Survey of Open Source Hardware 2016

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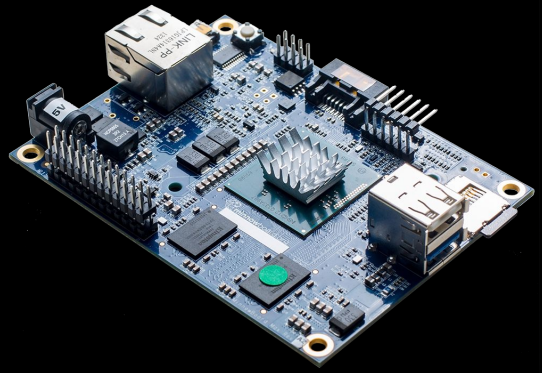
Quick definition

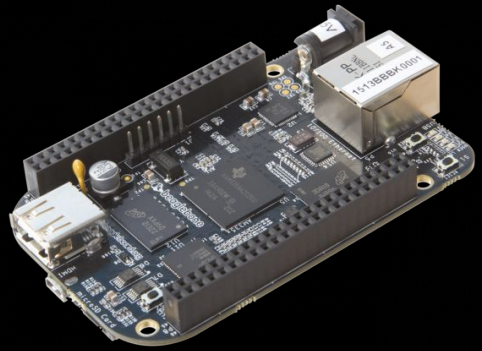
“Open source hardware is hardware whose design is made publicly available so that anyone can study, modify, distribute, make, and sell the design or hardware based on that design.”

- OSHWA 1.0

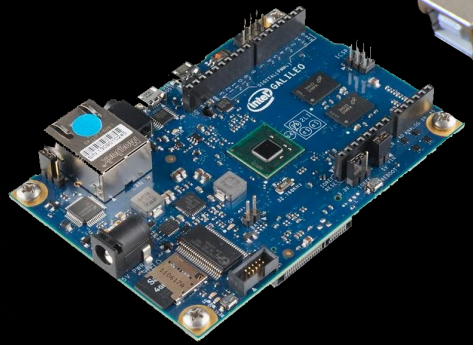
So what IS open hardware?



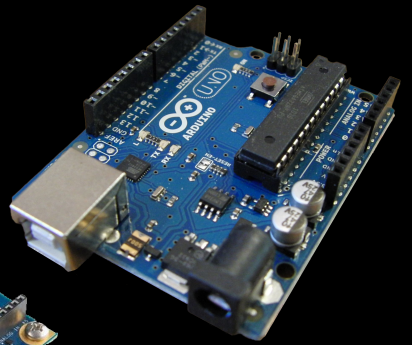
MinnowBoard Turbot



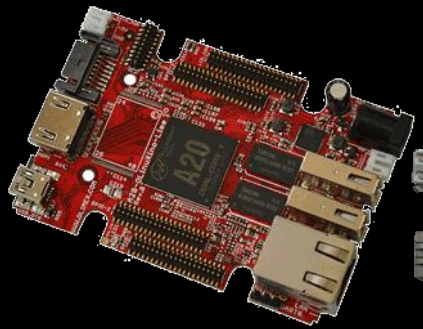
BeagleBoard



Intel Galileo



Arduino

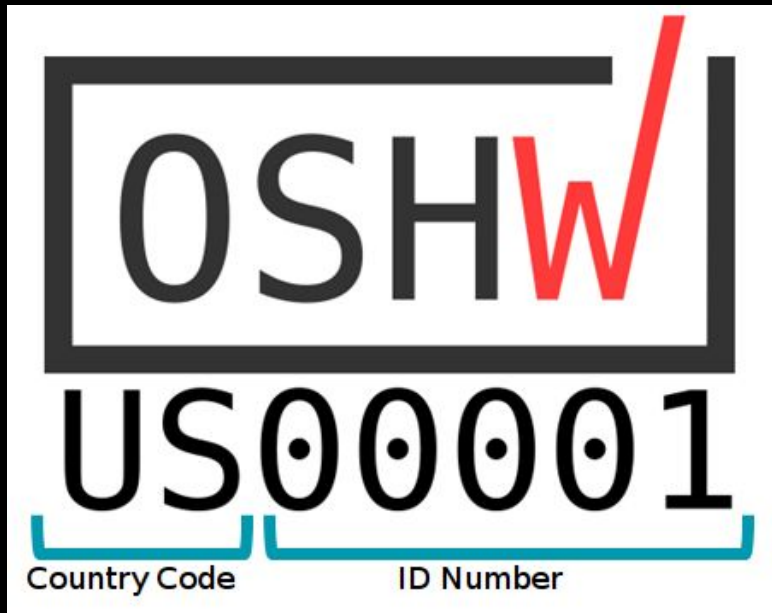


Olimex

Littlebits

Big things that have come out

- OSHWA has released v1.0 of their certification program

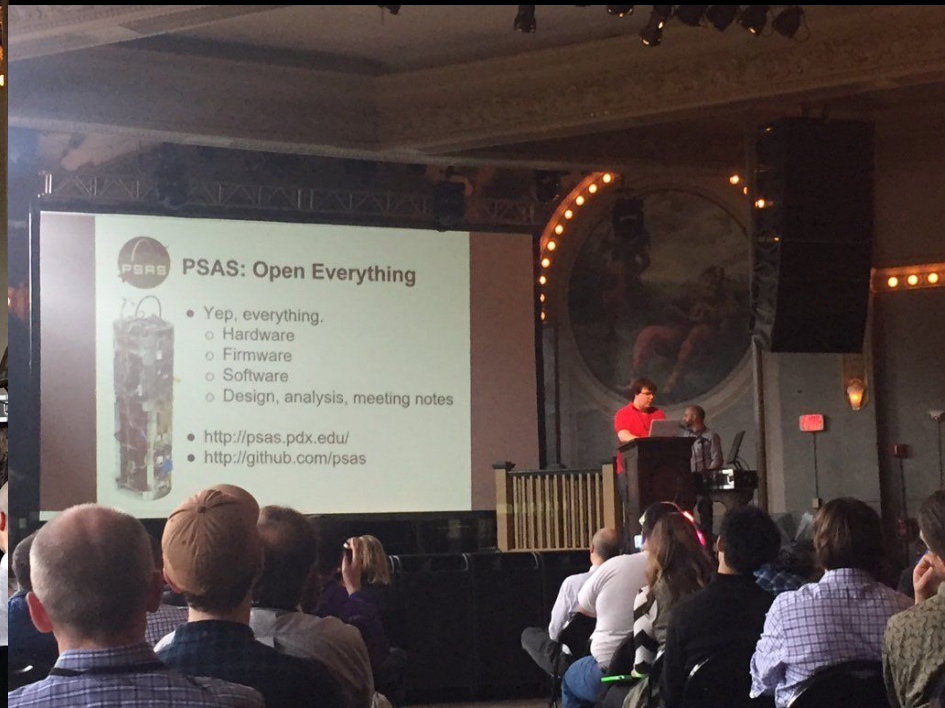


Big things that have come out

- Beginning to spread...

http://exiii-hackberry.com/

Big things that have come out



Big things that have come out

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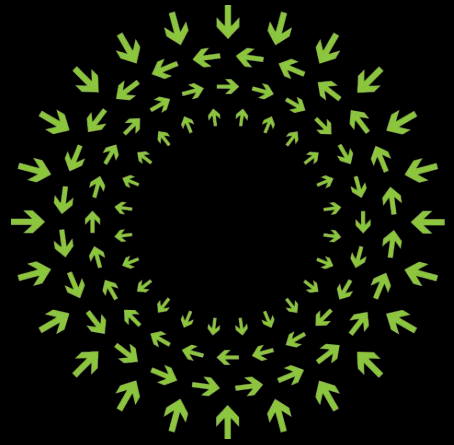
- C.H.I.P. kickstarter
  - $9 computer
  - Raised over $2M
  - Shipping boards

Big things that have come out

- Google joins Open Compute
  - Announced earlier this year



OPEN
Compute Project

KICKSTARTER

So where’s this all going

What does this mean?

- Open Source Hardware adoption and creation is accelerating
- Low Speed designs are easier, and cheaper, - this is where it will grow from
- Higher speed designs will continue, but at a slower pace

Q & A